

In The Claims

Claim 1 (previously presented): A structure for magnetizing a rotor magnet of a motor, comprising:

a stator having a plurality of silicon steel sheets wound by a plurality of winding coils; and

a rotor, the rotor being a unitary, asymmetric magnet cylinder bounded by an inner surface and outer surface, wherein at least one of said surfaces is a unitary and continuous curve surface comprising a plurality of continuous curve surfaces, each curve surface having convex and concave curve portions for changing an air gap between the rotor and the stator while starting the rotor; and

a stator having a plurality of silicon steel sheets wound by a plurality of winding coils.

Claims 2-3 (canceled)

Claim 4 (original): A structure of Claim 1, wherein said plurality of silicon steel sheets is symmetrical.

Claim 5 (currently amended): A structure for magnetizing a stator magnet of a motor, comprising:

a rotor having a plurality of silicon steel sheets wound by a plurality of winding coils; and

a stator, the stator being a unitary, asymmetric magnet cylinder bounded by an inner surface and outer surface, wherein at least one of said surfaces is a unitary and continuous curve surface comprising a plurality of continuous curved surfaces, each curve surface having convex and concave curve portions curve surfaces for changing an air gap between the rotor and the stator while starting the rotor; and

a rotor having a plurality of silicon steel sheets wound by a plurality of winding coils.

Claims 6-7 (canceled)

Claim 8 (original): A structure of Claim 5, wherein said plurality of silicon steel sheets is symmetrical.

Claim 9 (previously presented): A structure for magnetizing a rotor magnet to start a motor easily, comprising:

- a rotor, the rotor being a unitary, asymmetric magnet cylinder with an irregular lumpy edge comprising a plurality of concave surfaces and a plurality of convex surfaces for starting the motor easily; and

- a stator having a plurality of silicon steel sheets wound by a plurality of winding coils and mounted inside said magnet cylinder.

Claim 10 (canceled)

Claim 11 (previously presented): A structure for magnetizing a stator magnet to start a motor easily, comprising:

- a stator, the stator being a unitary, asymmetric magnet cylinder with an irregular lumpy edge comprising a plurality of concave surfaces and plurality of a convex surfaces for starting the motor easily; and

- a rotor having a plurality of silicon steel sheets wound by a plurality of winding coils and mounted inside said magnet cylinder.

Claim 12 (canceled)

Claim 13 (previously presented): A structure of Claim 1, wherein said a plurality of continuous curve surfaces have different arc centers.

Claim 14 (previously presented): A structure of Claim 5, wherein said a plurality of continuous curve surfaces have different arc centers.